FIG. 1

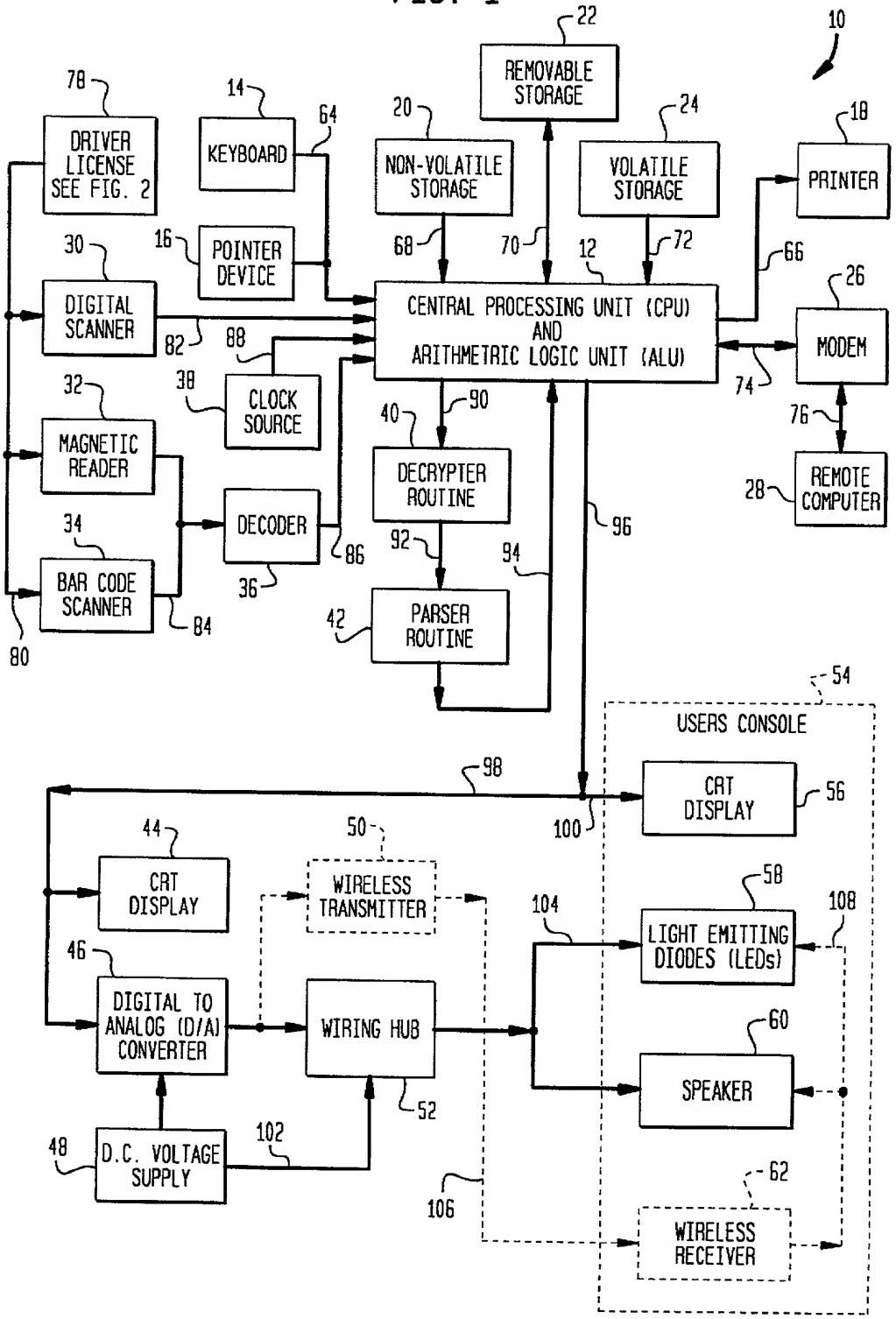

10
22
REMOVABLE STORAGE
78
DRIVER LICENSE SEE FIG. 2
14
KEYBOARD
64
20
NON-VOLATILE STORAGE
24
VOLATILE STORAGE
18
PRINTER
30
DIGITAL SCANNER
16
POINTER DEVICE
68
70
12
72
66
26
CENTRAL PROCESSING UNIT (CPU) AND ARITHMETRIC LOGIC UNIT (ALU)
MODEM
82
88
74
32
MAGNETIC READER
38
CLOCK SOURCE
40
90
76
DECRYPTER ROUTINE
REMOTE COMPUTER
28
34
BAR CODE SCANNER
DECODER
86
92
94
96
36
84
80
42
PARSER ROUTINE
54
USERS CONSOLE
98
CRT DISPLAY
56
100
44
50
CRT DISPLAY
WIRELESS TRANSMITTER
58
104
108
LIGHT EMITTING DIODES (LEDs)
46
DIGITAL TO ANALOG (D/A) CONVERTER
WIRING HUB
60
SPEAKER
52
48
D.C. VOLTAGE SUPPLY
102
62
106
WIRELESS RECEIVER

FIG. 2A

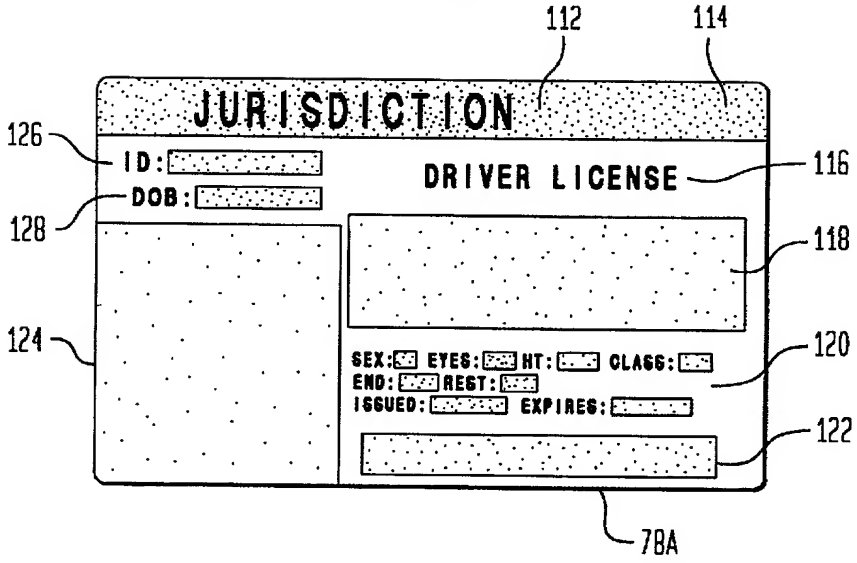

112
114
JURISDICTION
126
ID:
DRIVER LICENSE
116
DOB:
128
118
124
SEX: EYES: HT: CLASS:
120
END: REST:
ISSUED: EXPIRES:
122
78A

FIG. 2B

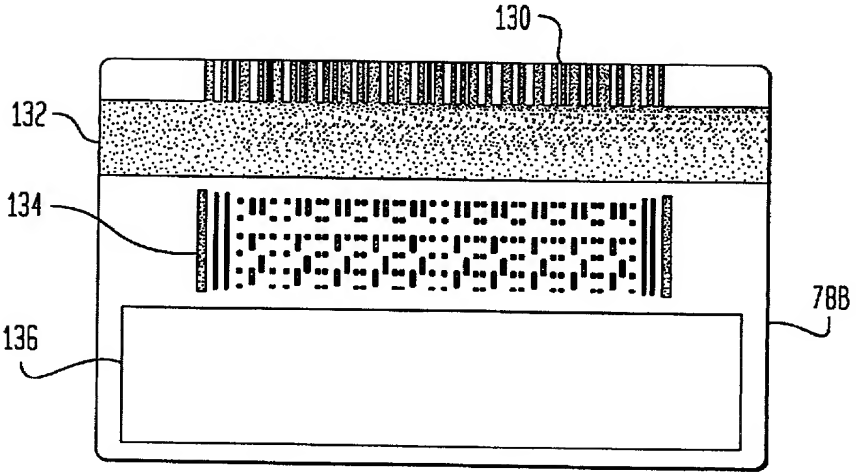

130
132
134
78B
136

FIG. 3

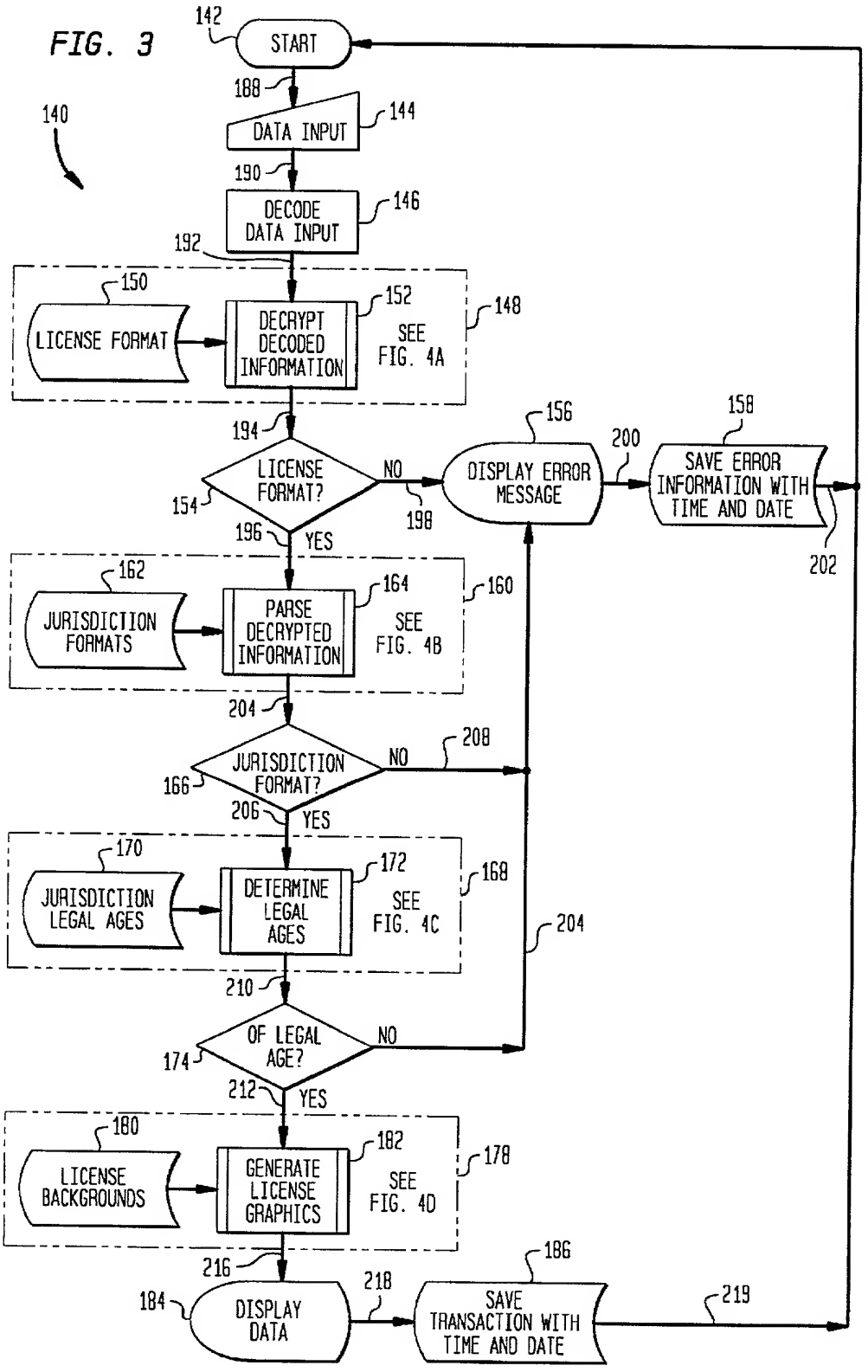

140
142
START
188
DATA INPUT
144
190
DECODE DATA INPUT
146
192
148
150
LICENSE FORMAT
152
DECRYPT DECODED INFORMATION
SEE FIG. 4A
194
LICENSE FORMAT?
154
NO
198
156
DISPLAY ERROR MESSAGE
200
158
SAVE ERROR INFORMATION WITH TIME AND DATE
202
196
YES
160
162
JURISDICTION FORMATS
164
PARSE DECRYPTED INFORMATION
SEE FIG. 4B
204
JURISDICTION FORMAT?
166
NO
208
206
YES
168
170
JURISDICTION LEGAL AGES
172
DETERMINE LEGAL AGES
SEE FIG. 4C
204
210
OF LEGAL AGE?
174
NO
212
YES
178
180
LICENSE BACKGROUNDS
182
GENERATE LICENSE GRAPHICS
SEE FIG. 4D
216
184
DISPLAY DATA
218
186
SAVE TRANSACTION WITH TIME AND DATE
219

FIG. 4A

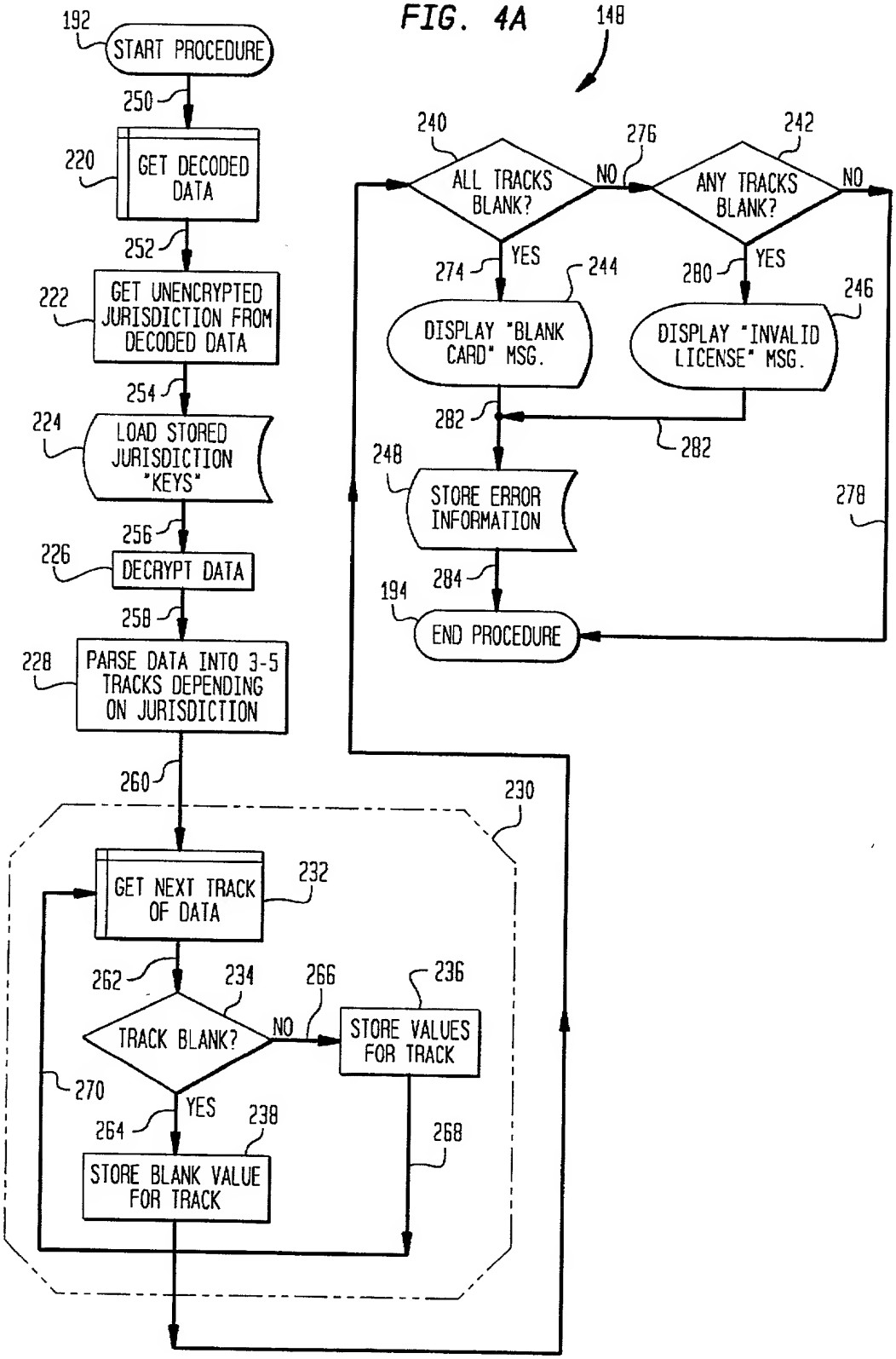

148
192
START PROCEDURE
250
220
GET DECODED DATA
252
222
GET UNENCRYPTED JURISDICTION FROM DECODED DATA
254
224
LOAD STORED JURISDICTION "KEYS"
256
226
DECRYPT DATA
258
228
PARSE DATA INTO 3-5 TRACKS DEPENDING ON JURISDICTION
260
230
GET NEXT TRACK OF DATA
232
262
234
TRACK BLANK?
266
NO
236
STORE VALUES FOR TRACK
270
YES
264
238
STORE BLANK VALUE FOR TRACK
268
240
ALL TRACKS BLANK?
276
NO
242
ANY TRACKS BLANK?
NO
274
YES
244
DISPLAY "BLANK CARD" MSG.
280
YES
246
DISPLAY "INVALID LICENSE" MSG.
282
282
248
STORE ERROR INFORMATION
278
284
194
END PROCEDURE

FIG. 4B

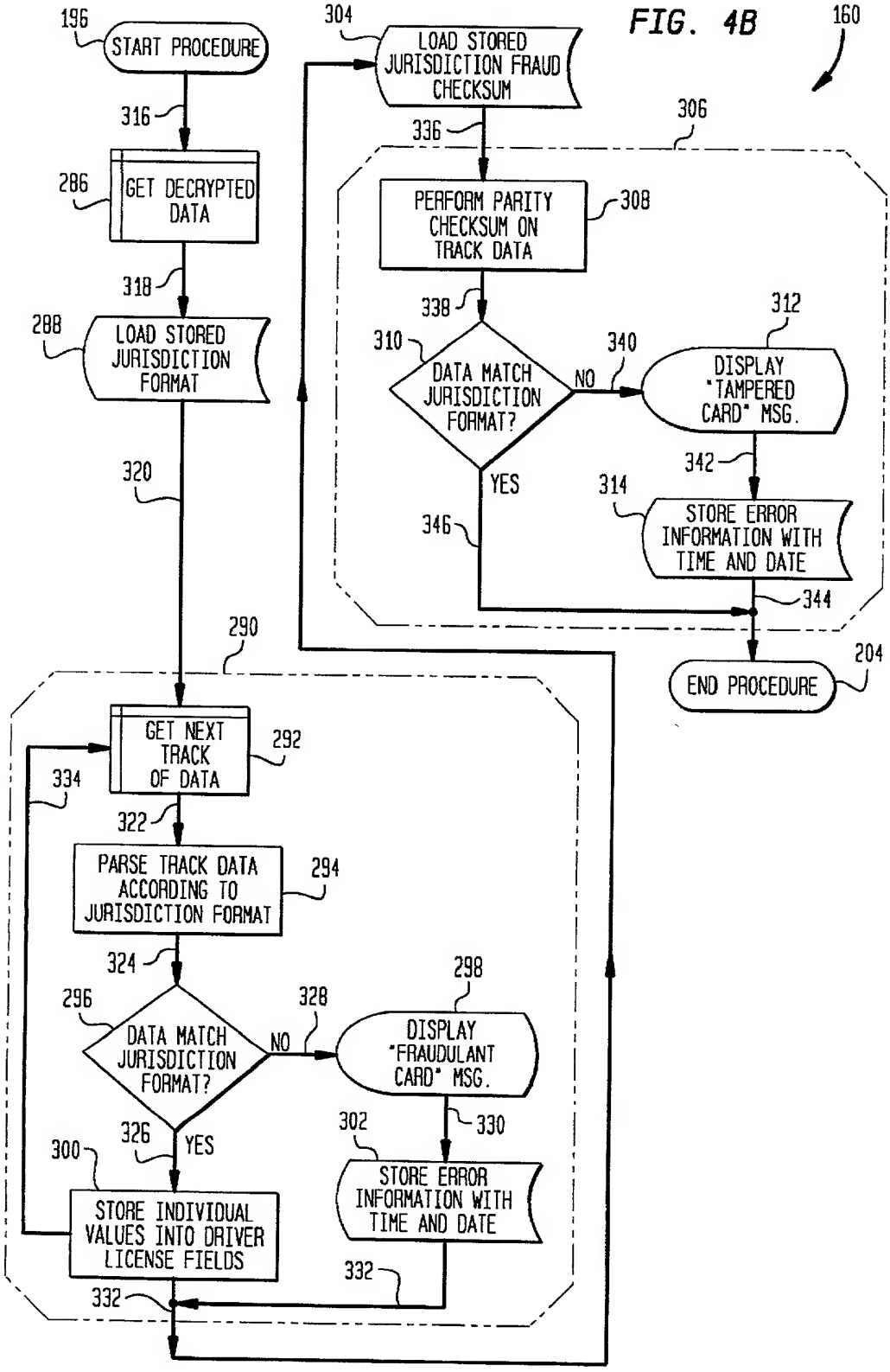
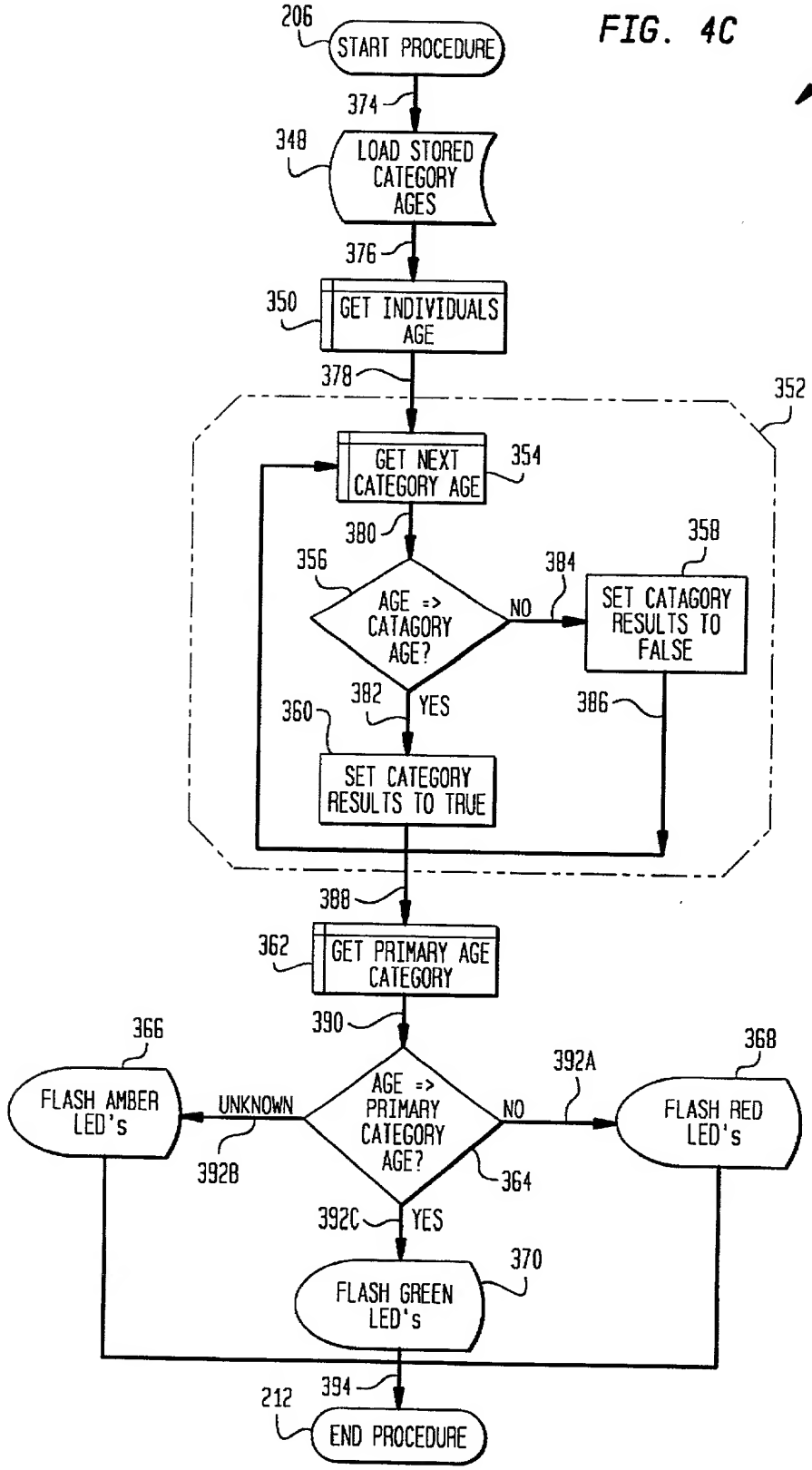

196
START PROCEDURE
316
286
GET DECRYPTED DATA
318
288
LOAD STORED JURISDICTION FORMAT
320
290
GET NEXT TRACK OF DATA
292
334
322
PARSE TRACK DATA ACCORDING TO JURISDICTION FORMAT
294
324
296
DATA MATCH JURISDICTION FORMAT?
NO
328
298
DISPLAY "FRAUDULANT CARD" MSG.
330
302
STORE ERROR INFORMATION WITH TIME AND DATE
332
326
YES
300
STORE INDIVIDUAL VALUES INTO DRIVER LICENSE FIELDS
332
304
LOAD STORED JURISDICTION FRAUD CHECKSUM
336
306
PERFORM PARITY CHECKSUM ON TRACK DATA
308
338
310
DATA MATCH JURISDICTION FORMAT?
NO
340
312
DISPLAY "TAMPERED CARD" MSG.
342
314
STORE ERROR INFORMATION WITH TIME AND DATE
YES
346
344
END PROCEDURE
204
160

FIG. 4C


168
206
START PROCEDURE
374
348
LOAD STORED CATEGORY AGES
376
350
GET INDIVIDUALS AGE
378
352
GET NEXT CATEGORY AGE
354
380
356
AGE => CATAGORY AGE?
NO
384
358
SET CATAGORY RESULTS TO FALSE
382
YES
360
386
SET CATEGORY RESULTS TO TRUE
388
362
GET PRIMARY AGE CATEGORY
390
366
FLASH AMBER LED's
UNKNOWN
392B
AGE => PRIMARY CATEGORY AGE?
NO
392A
368
FLASH RED LED's
364
392C
YES
370
FLASH GREEN LED's
394
212
END PROCEDURE

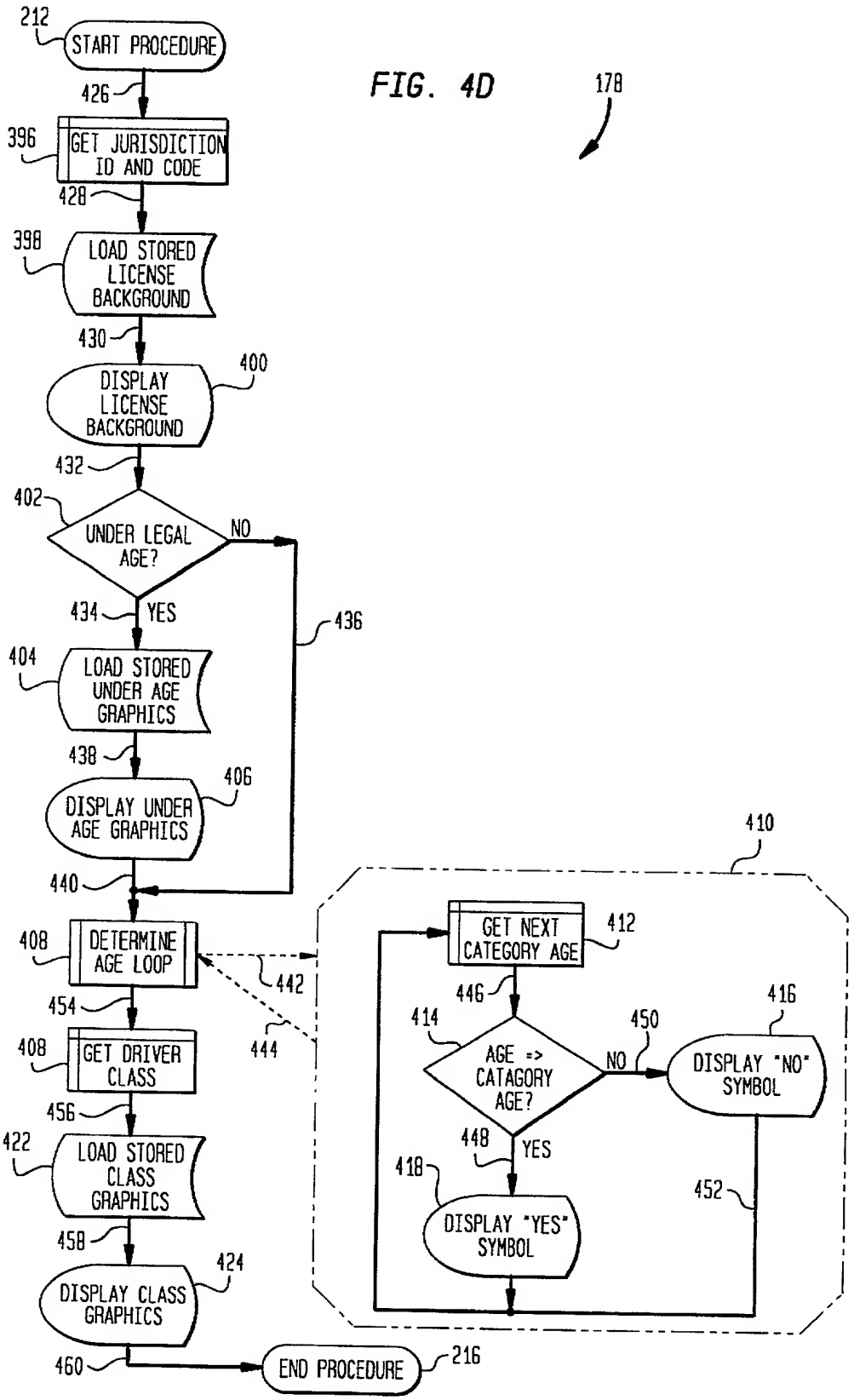

212
START PROCEDURE
426
396
GET JURISDICTION ID AND CODE
428
398
LOAD STORED LICENSE BACKGROUND
430
400
DISPLAY LICENSE BACKGROUND
432
402
UNDER LEGAL AGE?
NO
434
YES
436
404
LOAD STORED UNDER AGE GRAPHICS
438
406
DISPLAY UNDER AGE GRAPHICS
440
408
DETERMINE AGE LOOP
442
444
454
408
GET DRIVER CLASS
456
422
LOAD STORED CLASS GRAPHICS
458
424
DISPLAY CLASS GRAPHICS
460
END PROCEDURE
216
410
GET NEXT CATEGORY AGE
412
446
414
AGE => CATAGORY AGE?
450
NO
416
DISPLAY "NO" SYMBOL
448
YES
418
DISPLAY "YES" SYMBOL
452

FIG. 4D

178